

CLAIMS

1. A compound of formula (I)

5 $M_1-L_1-(\text{Val-Arg-Leu-Pro-Pro-Pro})_x-L_2-M_2$
(I)

or a pharmaceutically or a biologically acceptable salt thereof, wherein
Val is L-Val or D-Val;

10 Arg is L-Arg, D-Arg or L-(N-methyl)Arg;

Pro is L-Pro or D-Pro;

Leu is L-Leu or D-Leu;

x is an integer from 1 to 20;

15 L_1 and L_2 are chemical linkers, which are identical or different, present
or absent;

M_1 and M_2 are pharmacologically and/or biologically active moieties,
which are identical or different, present or absent; and

the bond between L_1 and M_1 and the bond between L_2 and M_2 are of
any of the known chemical natures, including covalent and ionic.

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2. The compound according to claim 1, wherein chemical linkers
are independently selected from peptide sequences up to 10 amino acid
residues.

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3. The compound according to claim 1, wherein
pharmacologically and/or biologically active moieties are active
pharmaceutical ingredients, nucleic acids, peptide nucleic acids,
peptides, proteins, carbohydrates, lipids, sterols, nanoparticles,
antibodies, dyes or probes.

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4. The compound according to any of the claims 1-3, wherein x is
from 1 to 10.

5. The compound according to claim 4, wherein x is from 1 to 3.

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6. The compound according to claim 5, wherein x is 3.

7. The compound according to claim 1, wherein L_1 , L_2 , M_1 and M_2 are all absent and, consequently the compound of formula (I) is (Val-Arg-Leu-Pro-Pro-Pro)_x.

5 8. The compound according to claim 7, wherein x is 3.

9. The compound according to claim 7, having a sequence selected from the group consisting of SEQ ID NO: 1-6.

10 10. Use of the compound as defined in any of the claims 7-9 as cell penetrating carrier.

11. A pharmaceutical composition comprising a therapeutically effective amount of the compound defined in any of the claims 1-6,
15 together with appropriate amounts of pharmaceutical excipients.

12. A cosmetic composition comprising a cosmetically effective amount of the compound defined in any of the claims 1-6, together with appropriate amounts of cosmetic excipients.

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